HUELS TROISDORF AG 92.10.31 92DE-4236855 (+92DE-4212229) (93.10.28) C04B 28/00,	L(2-A4, 2-G1)
	USE/ADVANTAGE Making chimneys and chimney parts using steel tubular
<del></del>	moulds.  The moulding has a high temp. strength, good alternat-
stone forming component, pouring into mould and thermally hardening (Ger)	ing temp. strength, low thermal conductivity and has low
C93-156006 N(AT AU BB BG BR CA CH CZ DE DK ES FI GB HU JP KP KR	EMBODIMENTS
BE CH DE DK ES FR GB GR IE IT LU MC NL DA PT SE	The stone-forming component consists of: (1) a fine
Addal. Data: HAACK I, RANDEL P  Addal. Data: HAACK I, RANDEL P  WILLICH DAEAMMSTOFFE & ISOLIERSYSTEME GMB (WILL.) (2) a glass-like, amorphous electrofilter ash; and/or	oxide mixture of amorphous SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> ; and/or (2) a glass-like, amorphous electrofilter ash; and/or
93.04.13 93WO-EP00900 03-338871.43	(3) ground calcined bauxite; and/or (4) electrofilter ash from lignite coal fire power stations;
Method of producing a light, mainly inorganic moulding with a density below 400 kg/m³ consists of wetting a microporous filler material of nowder density below 150 kg/m³ with a	and/or (5) undissolved, amorphous SiO2, esp. from an amorphous, dispersed powder, dehydrated or hydrated silicic acid;
	(6) meta kaolin. The hardener is an alkali silicate solution with 1.2-3 mol
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A surfactant and a turbity agent may also be added to the mixture. The latter is pref. a vegetable ash such as rice shell ash. The filler material is pref. expanded vermiculite and/or pearlite.

vermiculite and/or pearlite.

The mixture is pressed in a mould to reduce the volume to 20-80, pref. 30-50% of the starting volume using a

pressure of 1-4 bar.

The mould is preheated to 40-250, pref. 100-170°C and after pressing is removed from the mould within 3 min. It is then hardened at 40-300, pref. 100-200°C.

SR:1.Jnl.Ref EP199941 EP417583 EP494015 JP03122068 WO8905783

(19pp1678KGDwgNo0/1).

WO9321126-A